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UTILITY			Attorney Docket No.	48-0004			
PATENT APPLICATION			First Inventor	Stephen John Brosnan			
	TRAN	ISMITTAL	Title	Improved W	/avefront Sen	sor	
(Only for I	new nonprovisiona	al applications under 37 CFR 1.53(b))	Express Mail Label No.	EK5602917	701US		
See MPEP		ION ELEMENTS ming utility patent application contents.	ADDRESS TO:	Commission P.O. Box 145	tent Application er for Patents 50 /A 22313-1450		
(Submi 2. Applic See 3' 3. Specif (prefen - Desco - Cross - State - Refer or a c - Back - Brief - Brief	it an original and a cant claims small 7 CFR 1.27. fication red arrangement s riptive title of the ir s Reference to Rel	[Total Pages 12] et forth below) nivention ated Applications ed sponsored R & D listing, a table, listing appendix nition nivention	Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)				22141 U.S. PTO 10/727473
- Claim	n(s)		ACCOMPAN	YING APP	PLICATION	PARTS	
- Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets3] 5. Oath or Declaration [Total Sheets3] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d))			9. Assignment F 10. 37 CFR 3.73 (when there in the series of the series	b) Statements an assigned lation Documisclosure DS)/PTO-1444 mendment pt Postcard (lipecifically iteray of Priority Equity is claime in Request uippplicant musternt.	ment (if application of the property of the pr	ower of tomey able) opies of IDS itations	
		ATION, check appropriate box, and sup or in an Application Data Sheet under 3		n below and i	in the first sen	tence of the)
Contir	nuation	Divisional Continua	tion-in-part (CIP) of pri	or application l	No.:		
5b, is considered	NON OF DIVISION d a part of the dis	Examiner IAL APPS only; The entire disclosure of the sciosure of the sciosure continuation the disclosure of the accompanying continuation that deep inadvertible upon when a portion has been inadvertible.	or divisional application an	ch an oath or o	corporated by		er Box
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Date

Dec. 4, 2003

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Signature

John S. Paniaguas



UTILITY PATENT APPLICATION TRANSMITTAL

Page 2

Attorney Docket No.: 48-0004

First Inventor: Stephen John Brosnan, et al.

Title: IMPROVED WAVEFRONT SENSOR USING HYBRID OPTICAL/ELECTRONIC HETERODYNE TECHNIQUES

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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- 1. \$770.00 check (Application filing fee)
- 2. \$40.00 check (Assignment recordation fee)
- 3. Utility Patent Application Transmittal and Certificate of Mailing by "Express Mail" (2 pages)
- 4. Fee Transmittal (1 page, in duplicate)
- 5. Specification including claims and abstract (12 pages)
- 6. Informal Drawings (3 sheets)
- 7. Executed Declaration for Patent Application (3 pages)
- 8. Form PTO-1595 (Assignment Recordation Form Cover Sheet) (1 page, in duplicate)
- 9. Executed Assignment (1 page)

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Applicant claims small entity status. See 37 CFR 1.27

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Application Number	HEREWITH			
Filing Date	HEREWITH			
First Named Inventor	STEPHEN JOHN BROSNAN			
Examiner Name	N/A			
Art Unit	NJA			
Attorney Docket No.	48-0004			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
Check Credit card Money Other None					
Deposit Account:	Large Entity Small Entity				
	Fee Fee Fee Fee Fee Description Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe	e Paid			
Account Number	1051 130 2051 65 Surcharge - late filing fee or oath				
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Name The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification	\longrightarrow			
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination	\longrightarrow			
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action				
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FEE CALCULATION	1251 110 2251 55 Extension for reply within first month				
1. BASIC FILING FEE	1252 420 2252 210 Extension for reply within second month				
Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month				
Fee Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254 1,480 2254 740 Extension for reply within fourth month				
1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month				
1002 340 2002 170 Design filing fee	1401 330 2401 165 Notice of Appeal				
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal				
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing				
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 770,-	1452 110 2452 55 Petition to revive - unavoidable				
	1453 1,330 2453 665 Petition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,330 2501 665 Utility Issue fee (or reissue)				
Extra Claims below Fee Paid Total Claims 7/6 20** = 0 x /8 = 0	1502 480 2502 240 Design issue fee				
ladanadan 2V - 20 A	1503 640 2503 320 Plant issue fee				
Claims	1460 130 1460 130 Petitions to the Commissioner				
	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt				
Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)	<u>40.</u> 1			
1201 86 2201 43 Independent claims in excess of 3	1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))				
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be	\Box			
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE)	\neg			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application				
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SUBTOTAL (2) (\$) () **or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	40.7			

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